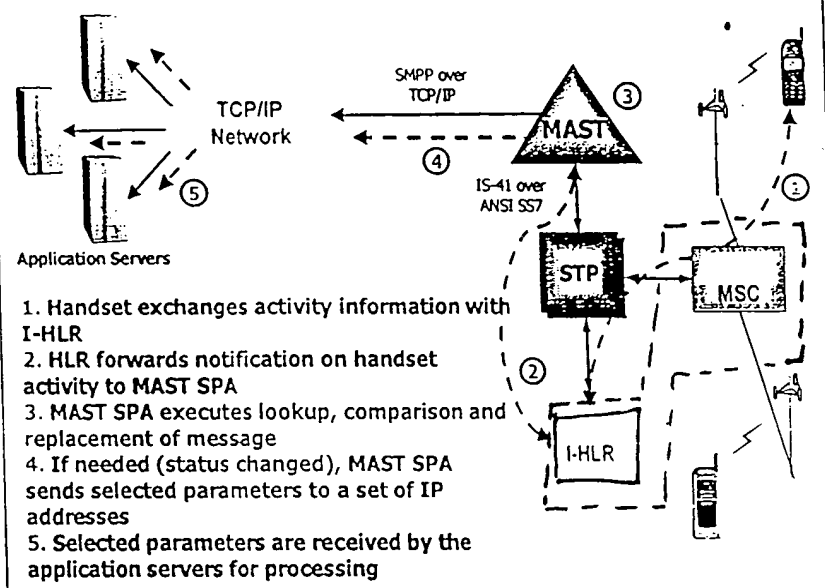


## MAST - Architecture and Information Flow



## MAST Architecture and Information Flow

FIG. 1

000000-000000

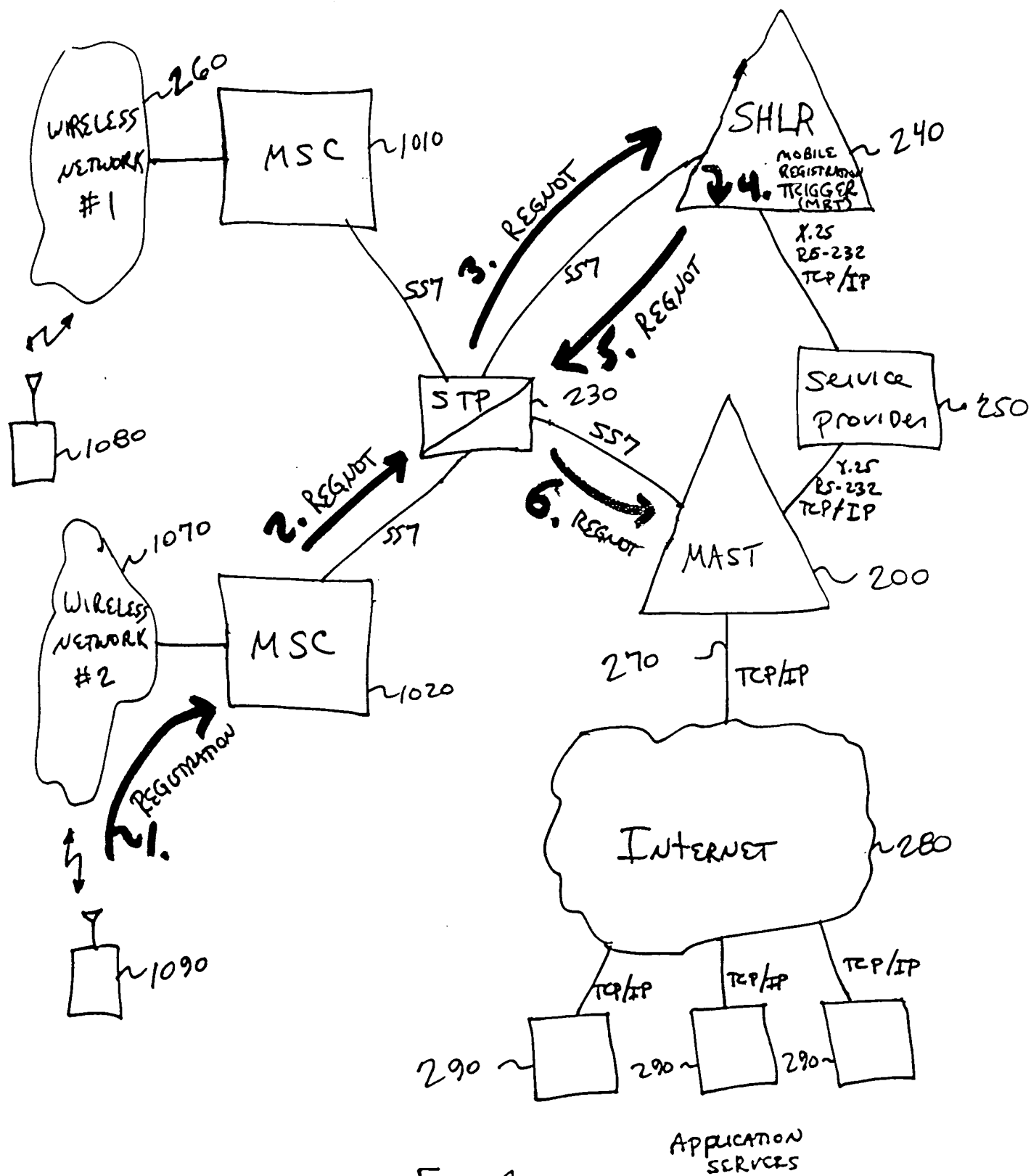


FIG.2

TO STP

SS7

SS7 Communications MODULE

Subscriber Presence/Location DATABASE

TO OMP

203

TCP/IP Communications MODULE

205

201

270

TCP/IP

200

FIG. 2A

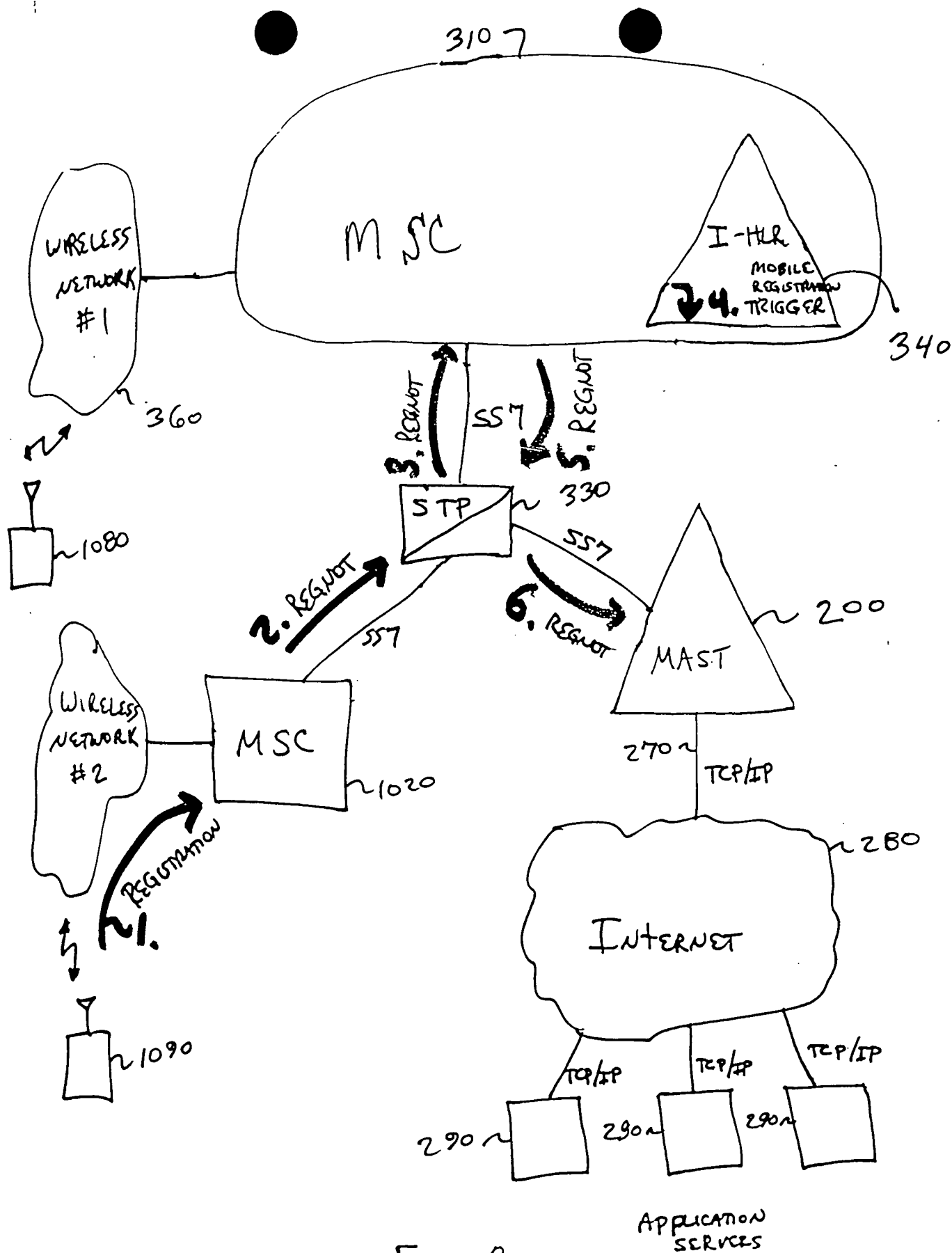
[illegible]

FIG. 3

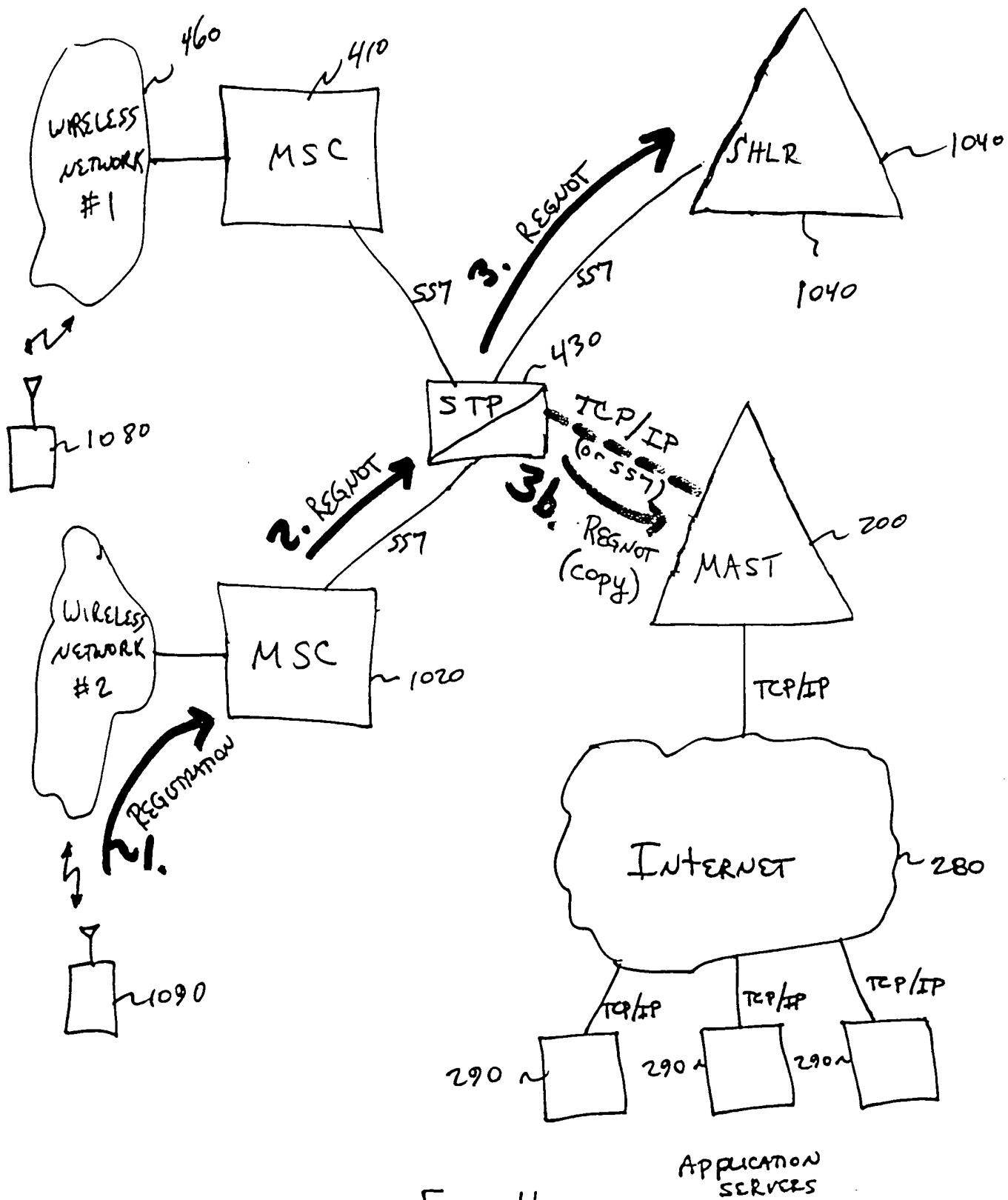
[illegible]

FIG. 4

0123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100

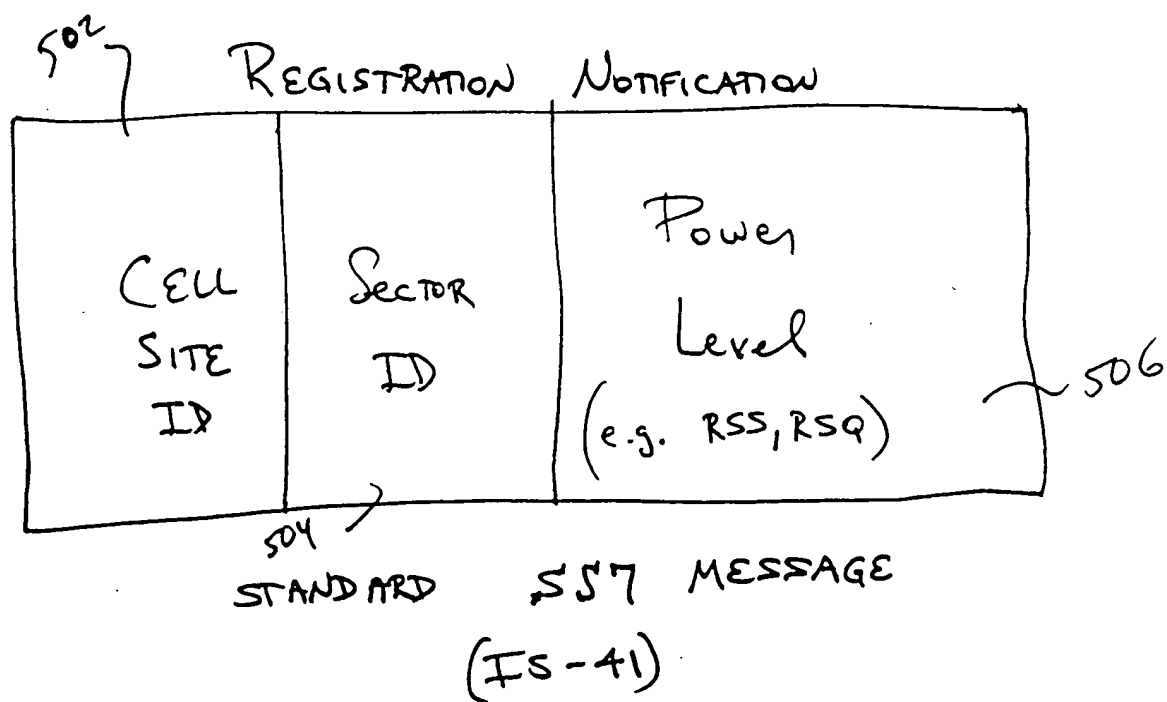


FIG. 5A

RegistrationNotification INVOKE Parameters	
Field	Value
Identifier	SET [NATIONAL 18]
Length	variable octets
Contents	
ElectronicSerialNumber	
MobileIdentificationNumber	
MSCID (Serving MSC)	
QualificationInformationCode	
SystemMyTypeCode (Serving MSC or VLR)	
AvailabilityType	
BorderCellAccess	
ControlChannelData	
ExtendedMSCID (VLR)	
LocationAreaID	
PC_SSN (Serving MSC or VLR)	
ReceivedSignalQuality	
ReportType	
SenderIdentificationNumber	
SMS_Address	
SMS_MessageWaitingIndicator	
SystemAccessData	
SystemAccessType	
SystemCapabilities	
TerminalType	
TransactionCapability	

RegistrationNotification INVOKE Parameters

PRIOR ART  
FIG. 5B

SHUT DOWN  
ALERT

SHUT DOWN  
ALERT

FIG. 6



IP ADDRESS	MOBILE ID	PRESENCE TIME/ DATE	LOCATION
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IP MESSAGE TO APPLICATION SERVER  
(e.g., to Chat Server)

FIG. 7A

IP ADDRESS	MOBILE ID	LOG	PRESENCE TIME/DATE	LOCATION
		#1		
		#2		
		#3		
		#4		
		#5		
		#6		

FIG. 7B

[illegible]

FIG. 8

FIG. 8

SAMPLE DECISION TREE

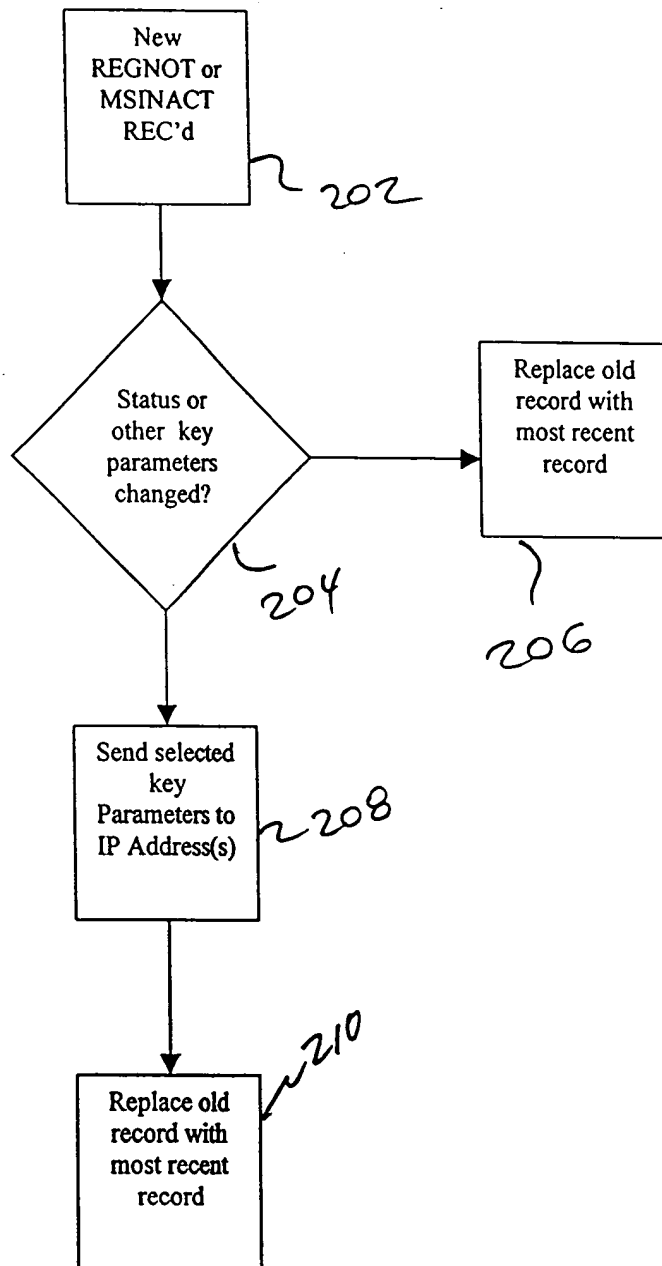


FIG. 9

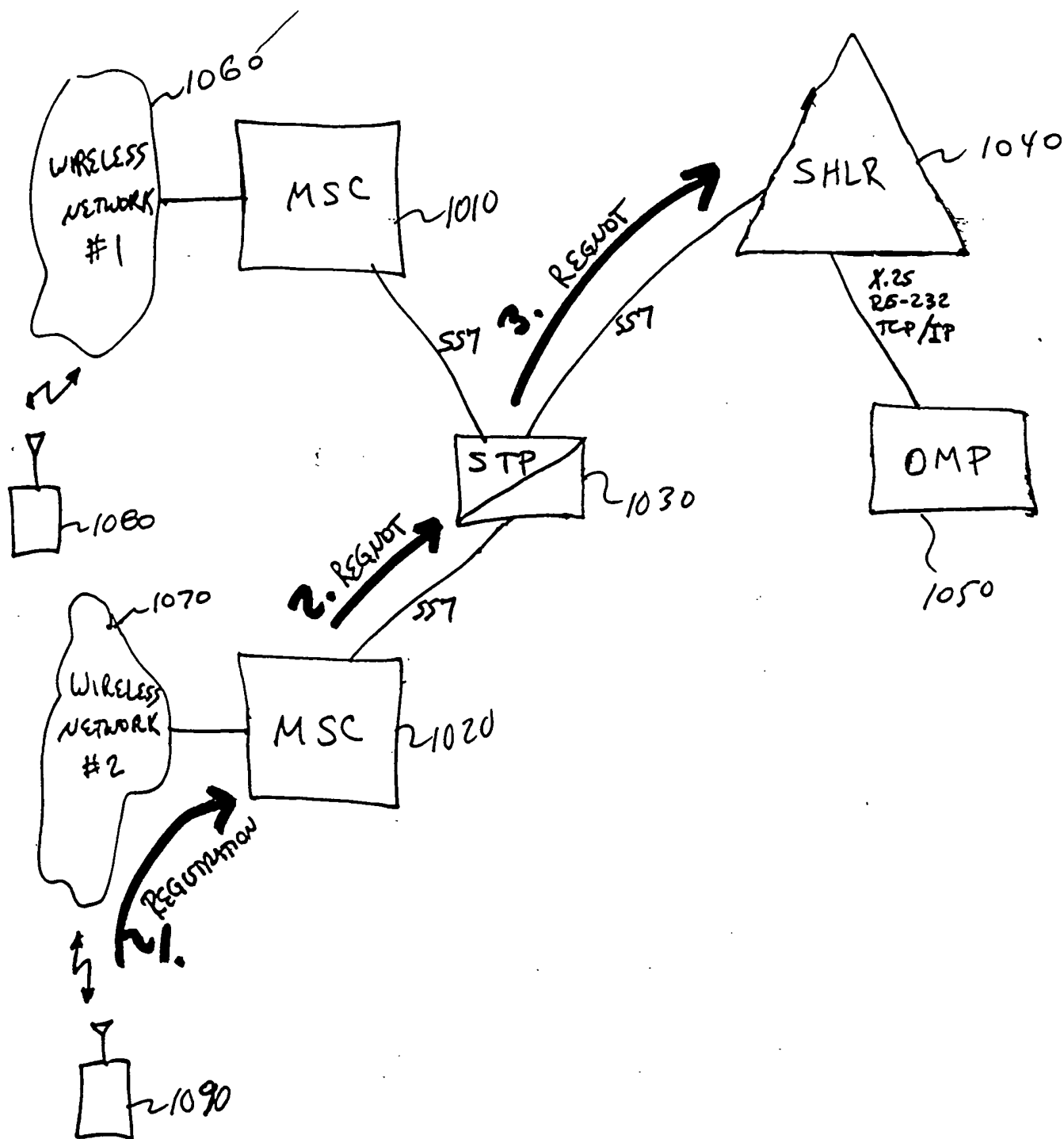
[illegible]

FIG. 10

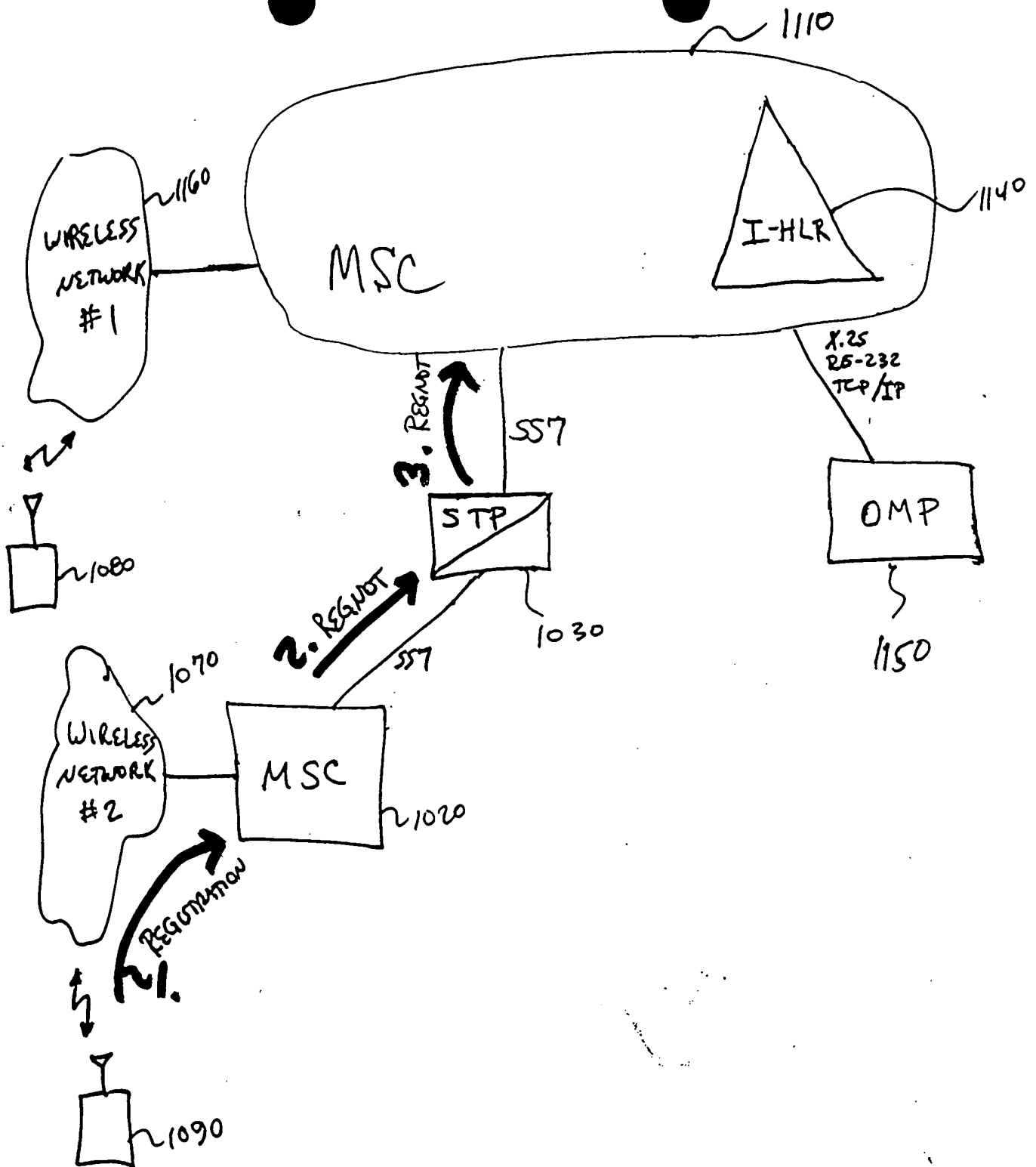
[illegible]

FIG. 11